

ABSTRACT

Negative thermosensitive lithographic printing plates comprise on a hydrophilic substrate an oleophilic thermosensitive layer comprising a polymeric binder, urethane (meth)acrylate monomer having at least 6 (meth)acrylate groups, a non-urethane (meth)acrylate monomer having at least 4 (meth)acrylate groups, a free-radical initiator, and an infrared absorbing dye; wherein the weight ratio of said urethane (meth)acrylate monomer to said non-urethane (meth)acrylate monomer is from 0.10 to 3.0, and said thermosensitive layer is capable of hardening upon exposure to an infrared radiation. Lithographic plates with such compositions have excellent press durability.